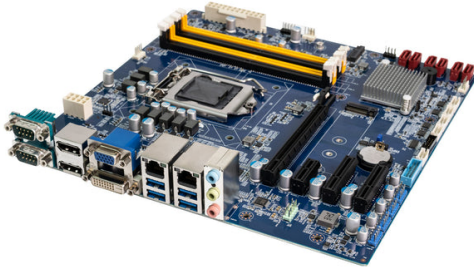




Industrial Motherboard

CT-MCL01

MicroATX Industrial Motherboard with LGA 1151 Socket supporting 8th/9th Gen Intel® Core™ i3/i5/i7 Processor, Q370



Features

- Support 8th/9th Gen. Intel® CFL-R S Processor (LGA 1151, 95W/65W/35W TDP)
- Intel® Q370 chipset
- 4x 288-pin DDR4 DIMM. Max. up to 128GB
- 2x Intel® GbE (Support Wake-on-LAN and PXE)
- Triple independent display supported by 1x VGA, 1x DVI-D, and 2x DisplayPort (DP1.2)
- 1x PCIe x16 (Gen3), 2x PCIe x4 (Gen3), 1x PCIe x1 (Gen3)
- 1x M.2 (M Key, NVMe PCIe x4, SATA, 2242/2260/2280); 1x M.2 (E Key, PCIe x2, USB 2.0, 2230)
- 2x RS-232/422/485, 4x USB 3.1 Gen 1 Internal header: 1x USB 3.1 Gen 1, 7x USB 2.0, 4x RS-232
- 6x SATA 6.0Gb/s
- Intel® AMT 12.0 Supported
- TPM 2.0 Supported

Specifications

System	
Processor	Support 8th/9th Gen Intel® Core™ CFL-R S Processor (LGA 1151, 95W/65W/35W TDP) - Intel® Core™ i7-9700E, i7-9700TE, i7-8700T, i7-8700 - Intel® Core™ i5-9500E, i5-9500TE, i5-8500T, i5-8500 - Intel® Core™ i3-9100E, i3-9100TE, i3-8100T, i3-8100 - Intel® Pentium® G5400T, G5400 - Intel® Celeron® G4900T, G4900
System Chipset	Intel® Q370 PCH
LAN Chipset	GbE1: Intel® I219LM (Support Wake-on-LAN and PXE) GbE2: Intel® I210-AT (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S HD Audio Codec
System Memory	4x 288-Pin DDR4 2133/2400/2666MHz DIMM. 128 GB Max
Graphics	Intel® Integrated Graphics
BIOS	AMI uEFI 256MB SPI flash
Watchdog	Software Programmable Supports 1~255 sec. System Reset
iAMT	Intel® AMT 12.0 supported
TPM	TPM 2.0
Display	
Display Port	2x DP (DP 1.2)
DVI	1x DVI
Multiple Display	Triple Display
VGA	1x VGA
Storage	
M.2	1x M.2 M / NVMe PCIe x4 / SATA / 2242, 2260, 2280 1x M.2 E / PCIe x2 / USB 2.0 / 2230
SATA	6x SATA 6.0 Gb/s
Expansion	
PCIe	1x PCIe x16 (Gen3) 2x PCIe x4 (Gen3) 1x PCIe x1 (Gen3)
I/O	
Audio	1x Mic-in, 1x Line-in, 1x Line-out
COM	2x RS-232/422/485
LAN	2x RJ45
USB	4x USB 3.1 Gen 1 (5 Gbps)
Internal I/O	
Audio	1x Front panel audio
COM	4x RS-232
DIO	1x 8-bit DIO (4-in/4-out)
SATA	6 x SATA 6.0Gb/s
USB	1x USB 3.1 Gen 1, 7x USB 2.0
Others	1x SPI header 1x LPC 1x Front panel 1x CPU fan 2x System fan
Operating System	
Windows	Windows 10
Linux	Linux Kernel 5.X

Power	
Power Management	ACPI 5.0 compliant
Power Mode	ATX Power
Power Connector	2x12-pin and 2x2-pin power connector
Environment	
Form Factor	MicroATX
Operating Temperature	0 °C ~ 60 °C
Storage Temperature	-40 °C ~ 85 °C
Relative Humidity	10% ~ 90% relative humidity, non-condensing

Available Models

CT-MCL01-MB

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Packing List

- 1x CT-MCL01
- 1x SATA cable
- 1x I/O port bracket

Exports And Tariff Codes

ECCN	5A992.c
HTS	8504.90.2000
ScheduleB	8473.30.0002

* All specifications and photos are subject to change without notice.